



Universal Sales



irripod
FLEXIBLE IRRIGATION



US Distributor:

Universal Sales
92311 Booth Street
Junction City, OR 97448

Ph: 541-998-9999

Fx: 541-998-9998

www.universalsales.biz

brochure version: 4-1-08

What is Irripod Irrigation?

Irripod is a flexible, cost effective pipeline sprinkler irrigation system for pasture and forage crops.

Designed to operate at low pressure, Irripod distributes water on a slow absorption rate over a 12-24 hour period. This allows for effective absorption into the soil while eliminating pooling and run off. The system only requires movement once per 12-24 hour period.

Irripod is a component system that is simple to install and manage. The system utilizes protective Pod Skid covers over sprinklers that are attached to a 1 ½" pipeline. The Irripod irrigation lines are strong, lightweight, flexible, and can be easily moved while the system is operating by attaching the lines to an ATV or farm vehicle.

The flexibility of Irripod means the system can be configured for many different end uses, in addition to traditional pasture and forage crop irrigation; these include orchards, golf courses, sports fields, race tracks and sod farm irrigation.

Benefits of Irrigation

- Provides greater certainty with production than is possible with dry land farming.
- Provides options for diversification or intensification.
- Allows farmers to grow more pasture and increase livestock production.
- Allows farmers to maintain pasture quality over a critical dry period.
- Ensures crops are not affected by moisture stress at critical growing times.
- Provides greater opportunity to gain a pasture / crop response to fertilizer application.

Advantages of Irripod Systems

Lower Cost of Ownership

- Allows irrigation of more marginal land.
- Simple to add to irrigation scheme as funding allows.
- Low pressure system translates into lower running costs.
- Only requires one person to shift the lines.

Simple Technology

- Easy to understand and manage.
- Does not require specialist skills or tools.

Efficient Water Application

- Low sprinkler height means less wind drift and effective water distribution pattern.
- Mimics natural rainfall allowing for efficient soil water absorption and less runoff.
- Smaller droplet size means less soil compaction.

Versatile

- Able to be used on flat or rolling country and with odd shaped fields.
- Able to be turned on and off without waiting for the irrigation cycle to be completed.
- The system can be left on while livestock are in the field.

Reasons to Specify Irripod

Innovative Robust Design

- The white Pods are highly visible minimizing the chance of running over the Irripod system with farm machinery.
- Sprinkler Riser, Cross Tee Anchor and Pipe Clamps prevent the Pod unit from slipping or twisting on the pipe when shifting the lines.
- Wire clip across the top of the Pod provides sprinkler protection against mechanical damage when shifting the lines.
- The heavy, rounded Pod base provides a low center of gravity, improving the efficiency of shifting the irrigation line.

Component System

- Easy assembly of the sprinkler to the Pod Skid Base prior to the Pod body being attached saves on installation time.
- Pods are easily replaced without the need to cut or rethread the pipeline.

Quality Materials

- High impact UV resistant plastic construction coupled with long life corrosion proof fastening means Irripod systems are both rugged and durable.

Getting Started

Once you have made the decision to install an Irripod system you will need to consider the following:

- Area to be irrigated
- Water requirements
- Pump requirements

Your Irripod dealer will assist you in designing a system to meet your requirements.

IRRIPOD HYDRANT AND PIPELINE COMPONENTS



MALE BRASS QUICK COUPLER KEY -



FEMALE BRASS QUICK COUPLER VALVE -



BRASS NPT 90 DEGREE SWIVEL -



1.5" HANSEN COUPLERS -



1.5" HANSEN FEMALE ADAPTERS -



1.5" BARREL UNION + ADAPTERS -



HOOK ADAPTERS WITH SWIVEL -



NUMBERED FENCE SIGNS -

System Specifications

Listed below are the typical design specifications. Please note that Mainline and Pump requirements will depend on the design of the system.

Pod Skid Spacings

Pods are typically spaced at 50' intervals on an irrigation line but can vary with different sprinkler designs.

Sprinklers

Typically 1/2", full-circle, impact sprinklers; other types, like rotators, may also be used.

Nozzle Size

Usually in the size range 1/8" to 5/32"; but can vary as per specification.

Wetted Diameter

Can be up to 60' after allowing for 50' to 60' spacing on the irrigation line and ignoring cross over of sprinklers. Most designers work on 2000ft² to 2500ft² wetted area.

Operating Pressure

Typically 35PSI to 50PSI.

Fittings

1. On the tow end of line use a 1 1/2" Hansen Tow Hook, which includes a 6' tow rope.
2. Connect to the Hydrant using a 1 1/2" Hansen Female Adapter.
3. Insert 1 1/2" Barrel Union and fittings into the irrigation line where appropriate.

Operating Guidelines

Irripod System Management

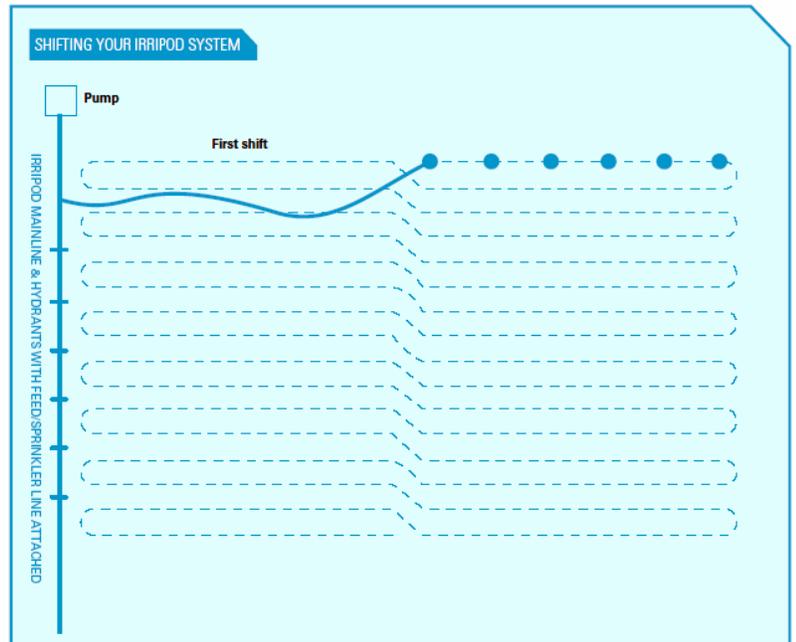
- Moving Times – 12 or 24 hours, dependant upon system design.
- Return Times – Range from 8 to 14 days and are determined by soil structure, pasture/crop type, water availability and local climate conditions.

Moving Irrigation Lines

Irripod lines have been designed to be moved while still operating. The system can be moved simply and safely with very little effort.

- Movement is typically done by an ATV. Do not exceed ATV manufacturer's recommendations for maximum towing weight.
- Use markers on the fence to align irrigation line movements at required increments.
- Picking up irrigation lines is done using the Hansen Tow Hook and tow rope which is secured to the ATV or other farm vehicle.
- Ensure the ATV or farm vehicle is facing the direction the line is to be towed.
- In one smooth movement, proceed to skid the Sprinkler line towards the marker sign at the other end of the field. Once the line is in place, unhook and proceed to the next line.

Mainline from end of the field.



INSTALLING IRRIPOD POD SKIDS (BASED ON 50' POD SPACING)

Step 1

The Tow Hook fitting will need to be fitted to the end of the Pod/Sprinkler line that is furthest from the irrigation hydrant, valve, or mainline connection.

Step 2

With the Tow Hook fitting in place, mark a position that is 3' to 4' from the tow fitting. This is where you will install the first Pod Skid.

Step 3



Lay pipe over Skid base and secure in position with Cross Tee Anchor and Pipe Clamps.



Drill 9/16" hole at required spacing for the sprinkler type being used and remove all drilling swarf.



Select the Riser to suit your sprinkler. Fit rubber seal to sprinkler riser, locate riser onto pipe and cross tee anchor – ensure fastening nuts are tightened evenly.



Screw sprinkler into sprinkler riser.



Locate body on skid base and push firmly down to engage grip lugs.



Secure top body by screws around the base.



Fix wire clip into opposing holes on body sides.



Screw the wire clip holders into the holes provided.



The pod is now assembled.

Step 4

Having completed the assembly of the first Pod Skid, measure along the pipe 50' (spacing may vary by design). This is where you will place the next Pod Skid. You now need to assemble this Pod (repeat Step 3). Repeat this process until you have assembled all of the Pod Skids for this line.

Step 5

You should now have all the Pod Skids fitted to the Tubing/Sprinkler line and the Tow Hook on the sprinkler end of the line 3' to 4' from the first sprinkler. Now connect the Hansen female adapter to the pod line and connect to your hydrant, valve, or water source. You may want to remove the Tow Hook and flush the line to remove any remaining drilling swarf before operating the system.

Disclaimer

While every effort has been made to ensure accuracy, neither Irripod Limited, Universal Sales, nor any employee of these companies, shall be liable on any grounds whatsoever to any party in respect of decisions or actions they may make as a result of using this information. Irripod reserves the right to make changes without notice to any service or product specification to improve reliability, function, or design. Irripod is a registered trademark of Irripod Ltd. © 2006 Irripod Limited. All rights reserved.

Hansen is a registered trademark of Hansen Products (NZ) Ltd.